


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 05918-336WO1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/US 03/26221	International filing date (day/month/year) 20.08.2003	Priority date (day/month/year) 20.08.2002
International Patent Classification (IPC) or both national classification and IPC E04F13/08		
Applicant VELCRO INDUSTRIES B.V. et al.		
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 9 sheets.</p>		
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the opinion II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application 		
Date of submission of the demand 05.02.2004	Date of completion of this report 07.09.2004	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized Officer Bouyssy, V Telephone No. +49 89 2399-2073	



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International application No. PCT/US 03/26221

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

2-16 as originally filed
1 filed with telefax on 15.07.2004

Claims, Numbers

1, 2, 3, 10, 11, 12, 16-23, 29, filed with telefax on 15.07.2004
31

Drawings, Sheets

1/4-4/4 filed with the demand

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☒ the claims, Nos.: 4-9, 13-15, 24-28, 30
- ☐ the drawings, sheets:

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-3, 10-12, 16-23, 29, 31
	No: Claims	
Inventive step (IS)	Yes: Claims	1-3, 10-12, 16-23, 29, 31
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-3, 10-12, 16-23, 29, 31
	No: Claims	

2. Citations and explanations

see separate sheet

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1. The following prior art documents have been considered:

D1: GB1376262 A
D2: US6413335 B
D3: DE4228597 A
D4: WO0079073 A
D5: DE42708U
D6: US3475810 A
D7: GB1546901 A
D8: US3817015 A
D9: US4649069 A
D10: US4744189 A
D11: US4810546 A
D12: US4822658 A
D13: US4974384 A
D14: US5042221 A
D15: US5060443 A
D16: US5191692 A
D17: US5482755 A
D18: US6298624 B
D19: US6306477 B
D20: US6342285 B
D21: US5260015 A
D22: US5441687 A
D23: US6035498 A

NOVELTY AND INVENTIVE STEP (ARTICLE 33 (2) AND (3) PCT)

2. The subject-matter of any of claims **1-3, 10-12, 16-23, 29** and **31** is novel and involves an inventive step:
- 2.1 **D5** discloses a material 2
- a) for covering a wide, rigid surface of a home or building.
- 2.2 The subject-matter of claim **1** differs from this known material in that

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- b) the material (100) is in the form of a flexible laminate having
- c) a fastening side comprising a sheet-form fastener component with hook-engageable loops defined by a knit or non-woven web material (12) having a basis weight of less than about 4 ounces per square yard, and
- d) an opposite side formed by a sheet of paper (9) laminated to the fastener component, such that the laminate has significantly greater stiffness in the plane of the laminate than the knit or non-woven web material without the sheet of paper, yet is sufficiently flexible to be rolled up for storage and transport.

Hence, the subject-matter of claim 1 is novel (article 33 (2) PCT).

2.3 The problem underlying the invention is to provide a lightweight and inexpensive material that nevertheless provides a dimensional stability necessary to secure objects over broad surfaces.

2.4 The solution in claim 1 is neither known from, nor rendered obvious by, the available prior art.

D3 discloses a material A for covering a building wall, the material having a back side 5 for adhering to a building wall and a fastening side comprising a sheet-form fastener component 7 with hook-engageable loops defined as a fleece material. There is no hint in **D3** of employing a paper backing on the loop material, or of using a lightweight loop material with a basis weight of less than about 4 ounces per square yard. There is no mention that the loop material is in need of increased dimensional stability.

D21 teaches that laminated hook fasteners can be used for holding down floor coverings to floors and discloses methods of laminating paper directly to a moulded plastic hook sheet during the moulding process, to reduce cost and also to increase the overall flexibility of the laminate. There is no hint in **D21** of using a lightweight loop material defined by a knit or non-woven web material. The need for increased dimensional stability is not addressed in **D21**.

Hence, the subject-matter of claim 1 involves an inventive step (article 33 (3) PCT).

2.5 Claims 2-3, 10-12, 16 and 17 are dependent on claim 1 and therefore their subject-matter is novel and involves an inventive step.

2.6 Independent claim 18 is directed to a method of securing an object over a broad, rigid surface of a home or building, wherein a female touch fastening material with the features of claim 1 is placed

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against the broad surface.

For the reasons set above, its subject-matter is novel and involves an inventive step.

- 2.7 Claims **19-23, 29** and **31** are dependent on claim **18** and therefore their subject-matter is novel and involves an inventive step, too.

INDUSTRIAL APPLICATION (ARTICLE 33 (4) PCT)

3. The subject-matter of any of claims **1-3, 10-12, 16-23, 29** and **31** is industrially applicable.

GENERAL COMMENTS

4. The description, in particular the definition of the material and/or the method according to the invention on pages 1 to 4, is not in conformity with the claims, as required by Rule 5.1(a)(iii) PCT.
5. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in documents **D1** to **D4** is not mentioned in the description, nor are these documents identified therein.
6. The definition of the problem underlying the invention should be presented in the description in such terms that its solution can be better understood in view of the disclosure of **D5** or **D3** (Rule 5.1 (a) (iii) PCT).
7. The expression "all of which are hereby incorporated by reference" should be deleted on page 16, lines 120-21, because the matter disclosed in **D20, D21, D22** and **D23** is not essential to satisfy the requirements of Article 5 PCT.
8. Independent claims **1** and **18** are not in the two-part form in accordance with Rule 6.3(b) PCT, which in the present case would be appropriate, with those features known in combination from the prior art (document **D5** or **D3**) being placed in the preamble (Rule 6.3 (b) (i) PCT) and with the remaining features being included in the characterising part (Rule 6.3 (b) (ii) PCT).
9. According to the requirement of Rule 6.1 (b) PCT, the claims shall be numbered consecutively.

This requirement is not met because there are claims **1-3, 10-12, 16-23, 29** and **31** on file, while claims **4-9, 13-15, 24-28** and **30** have been cancelled.